

Abstract

A loop thermosyphon includes a closed circuit configured of an evaporator, a condenser , a feed pipe and a return pipe, and the evaporator is an assembly including a header pipe associated with the feed pipe, a header pipe associated with the return pipe, and a plurality of aligned pipes. Each of the aligned pipes is a serpentine tube defined by a linear portion forming a plurality of stages in vertically parallel layers, and a curved portion connecting such linear portions together. The condenser is entirely inclined relative to a bottom surface of a casing mounting the loop thermosyphon such that the serpentine tube's linear portions have a bottommost linear portion inclined in a direction allowing the bottommost linear portion to be closer to the bottom surface of the casing as the bottommost linear portion approaches the header pipe associated with the return pipe.